

**COMBINED DECLARATION AND POWER OF ATTORNEY  
FOR A PATENT APPLICATION**

**INVENTORSHIP IDENTIFICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**TITLE OF INVENTION**

*CONVERSION OF AN HDL SEQUENTIAL TRUTH TABLE TO GENERIC HDL ELEMENTS*

**SPECIFICATION IDENTIFICATION**

the specification of which

\_\_\_\_\_ is attached hereto.  
XX was filed on December 6, 2000 as  
United States Application 09/731,535  
or PCT International Application Number \_\_\_\_\_  
and was amended on \_\_\_\_\_  
(if applicable)

**ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above.

I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

**PRIORITY CLAIM (35 U.S.C. § 119(a)-(d))**

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d), of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority  
Claimed

_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	_____ Yes	_____ No
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	_____ Yes	_____ No
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	_____ Yes	_____ No

I hereby claim the benefit under title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below

_____ (Application Number)	_____ (Filing Date)
_____ (Application Number)	_____ (Filing Date)

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

_____ (Application Number)	_____ (Filing Date)	_____ (Status - patented, pending, abandoned)
_____ (Application Number)	_____ (Filing Date)	_____ (Status - patented, pending, abandoned)

POWER OF ATTORNEY

I hereby appoint Aloysius T. C. AuYeung, Reg. No. 35,432; Robert A. Diehl, Reg. No. 40,992; Jason K. Klindtworth, Reg. No. 47,211; Robert T. Watt, Reg. No. 45,890; as my patent attorney/agent; with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

Send correspondence to:

Direct telephone calls to:  
(Name and telephone number)

COLUMBIA IP LAW GROUP, LLC  
4900 SW Meadows Road, Suite 109  
Lake Oswego, Oregon 97035

Robert A. Diehl  
503-534-2800

## DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Sole/First

Inventor: Jerome Collin

Inventor's

Signature: Jerome Collin Date: March 2nd, 2001

Residence: Outremont, CANADA Citizenship: Canada  
(City, State) (Country)

Post Office Address: 790 Outremont Avenue, Apt 7  
Outremont QC H2V 3N4, CANADA

Full Name of Joint/Second Inventor: Reily M. Jacoby

Inventor's

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Boxford, Massachusetts Citizenship: USA  
(City, State) (Country)

Post Office Address: 49 Andersen Drive  
Boxford, Massachusetts 01921

Full Name of Joint/Third Inventor: Abelardo Pardo

Inventor's

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Madrid, SPAIN Citizenship: Spain  
(City, State) (Country)

Post Office Address: Universidad Carlos III de Madrid, Avenida Universidad 30  
E-28911 Leganes, Madrid, SPAIN

Full Name of Joint/Fourth Inventor: \_\_\_\_\_

Inventor's

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: \_\_\_\_\_ Citizenship: \_\_\_\_\_  
(City, State) (Country)

Post Office Address: \_\_\_\_\_  
\_\_\_\_\_

Full Name of Joint/Fifth Inventor: \_\_\_\_\_

Inventor's

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Residence: \_\_\_\_\_

(City, State)

Citizenship: \_\_\_\_\_

(Country)

Post Office Address: \_\_\_\_\_

Title 37, Code of Federal Regulations, Section 1.56  
Duty to Disclose Information Material to Patentability

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) Prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) The closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

- (1) It establishes, by itself or in combination with other information, a *prima facie* case of unpatentability of a claim; or
- (2) It refutes, or is inconsistent with, a position the applicant takes in:
  - (i) Opposing an argument of unpatentability relied on by the Office, or
  - (ii) Asserting an argument of patentability.

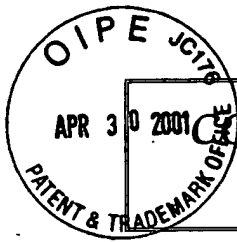
A *prima facie* case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

- (1) Each inventor named in the application;
- (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

(e) In any continuation-in-part application, the duty under this section includes the duty to disclose to the Office all information known to the person to be material to patentability, as defined in paragraph (b) of this section, which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.



## **COMBINED DECLARATION AND POWER OF ATTORNEY FOR A PATENT APPLICATION**

### **INVENTORSHIP IDENTIFICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

### **TITLE OF INVENTION**

**CONVERSION OF AN HDL SEQUENTIAL TRUTH TABLE TO GENERIC HDL  
ELEMENTS**

### **SPECIFICATION IDENTIFICATION**

the specification of which

\_\_\_\_\_ is attached hereto.  
XX was filed on December 6, 2000 as  
United States Application \_\_\_\_\_ 09/731,535  
or PCT International Application Number \_\_\_\_\_  
and was amended on \_\_\_\_\_  
(if applicable)

### **ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above.

I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

**PRIORITY CLAIM (35 U.S.C. § 119(a)-(d))**

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d), of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

<u>Prior Foreign Application(s)</u>			<u>Priority Claimed</u>	
<u>(Number)</u>	<u>(Country)</u>	<u>(Day/Month/Year Filed)</u>	<u>Yes</u>	<u>No</u>
<u>(Number)</u>	<u>(Country)</u>	<u>(Day/Month/Year Filed)</u>	<u>Yes</u>	<u>No</u>
<u>(Number)</u>	<u>(Country)</u>	<u>(Day/Month/Year Filed)</u>	<u>Yes</u>	<u>No</u>
<u>(Number)</u>	<u>(Country)</u>	<u>(Day/Month/Year Filed)</u>	<u>Yes</u>	<u>No</u>

I hereby claim the benefit under title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below

(Application Number)	(Filing Date)
(Application Number)	(Filing Date)

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)
(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)

## **POWER OF ATTORNEY**

I hereby appoint Aloysius T. C. AuYeung, Reg. No. 35,432; Robert A. Diehl, Reg. No. 40,992; Jason K. Klindtworth, Reg. No. 47,211; Robert T. Watt, Reg. No. 45,890; as my patent attorney/agent; with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

---

**Send correspondence to:**

COLUMBIA IP LAW GROUP, LLC  
4900 SW Meadows Road, Suite 109  
Lake Oswego, Oregon 97035

**Direct telephone calls to:**

*(Name and telephone number)*

Robert A. Diehl  
503-534-2800

---



## DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

### Full Name of Sole/First

Inventor: Jerome Collin  
Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Outremont, CANADA Citizenship: Canada  
: (City, State) p: (Country)

### Post Office

Address: 790 Outremont Avenue, Apt 7  
Outremont QC H2V 3N4, CANADA

### Full Name of Joint/Second

Inventor: Reily M. Jacoby  
Inventor's Signature: *Reily Jacoby* Date: 3/26/01  
Residence: Boxford, Massachusetts Citizenship: USA  
: (City, State) p: (Country)

### Post Office

Address: 49 Andersen Drive  
Boxford, Massachusetts 01921

### Full Name of Joint/Third

Inventor: Abelardo Pardo  
Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Madrid, SPAIN Citizenship: Spain  
: (City, State) p: (Country)

### Post Office

Address: Universidad Carlos III de Madrid, Avenida Universidad 30

E-28911 Leganes, Madrid, SPAIN

**Full Name of Joint/Fourth**

**Inventor:**

**Inventor's**

**Signature:**

**Residence**

**:**

**Date**

**:**

**Citizenshi**

**p:**

(City, State)

(Country)

**Post Office**

**Address:**

**Full Name of Joint/Fifth**

**Inventor:**

**Inventor's**

**Signature:**

**Residence**

**:**

**Date**

**:**

**Citizenshi**

**p:**

(City, State)

(Country)

**Post Office**

**Address:**



Attorney's Docket No. 51005-P200

Patent

## **COMBINED DECLARATION AND POWER OF ATTORNEY FOR A PATENT APPLICATION**

### **INVENTORSHIP IDENTIFICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

### **TITLE OF INVENTION**

**CONVERSION OF AN HDL SEQUENTIAL TRUTH TABLE TO GENERIC HDL  
ELEMENTS**

### **SPECIFICATION IDENTIFICATION**

the specification of which

\_\_\_\_\_ is attached hereto.  
XX was filed on December 6, 2000 as  
United States Application \_\_\_\_\_ 09/731,535  
or PCT International Application Number \_\_\_\_\_  
and was amended on \_\_\_\_\_  
(if applicable)

### **ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above.

I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

**PRIORITY CLAIM (35 U.S.C. § 119(a)-(d))**

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d), of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

<u>Prior Foreign Application(s)</u>			<u>Priority Claimed</u>	
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
_____	_____	_____	_____	_____
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
_____	_____	_____	_____	_____
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
_____	_____	_____	_____	_____

I hereby claim the benefit under title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below

_____	_____
(Application Number)	(Filing Date)
_____	_____
(Application Number)	(Filing Date)

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

_____	_____	_____
(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)
_____	_____	_____
(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)

**POWER OF ATTORNEY**

I hereby appoint Aloysius T. C. AuYeung, Reg. No. 35,432; Robert A. Diehl, Reg. No. 40,992; Jason K. Klindtworth, Reg. No. 47,211; Robert T. Watt, Reg. No. 45,890; as my patent attorney/agent; with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

---

**Send correspondence to:**

COLUMBIA IP LAW GROUP, LLC  
4900 SW Meadows Road, Suite 109  
Lake Oswego, Oregon 97035

---

**Direct telephone calls to:**

*(Name and telephone number)*

Robert A. Diehl  
503-534-2800

---

### DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**Full Name of Sole/First**

**Inventor:** Jerome Collin

**Inventor's**

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Residence**

**:** Outremont, CANADA  
(City, State)

**Citizenship:** Canada  
(Country)

**Post Office**

**Address:** 790 Outremont Avenue, Apt 7  
Outremont QC H2V 3N4, CANADA

**Full Name of Joint/Second**

**Inventor:** Reily M. Jacoby

**Inventor's**

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Residence**

**:** Boxford, Massachusetts  
(City, State)

**Citizenship:** USA  
(Country)

**Post Office**

**Address:** 49 Andersen Drive  
Boxford, Massachusetts 01921

**Full Name of Joint/Third**

**Inventor:** Abelardo Pardo

**Inventor's**

**Signature:** \_\_\_\_\_

**Date:** March 13<sup>th</sup>, 2001

**Residence**

**:** Madrid, SPAIN  
(City, State)

**Citizenship:** Spain  
(Country)

**Post Office**

**Address:** Universidad Carlos III de Madrid, Avenida Universidad 30  
E-28911 Leganes, Madrid, SPAIN

**Full Name of Joint/Fourth**

**Inventor:**

**Inventor's**

**Signature:**

**Residence**

**:**

**Date:**

**Citizenship:**

(City, State)

(Country)

**Post Office**

**Address:**

**Full Name of Joint/Fifth**

**Inventor:**

**Inventor's**

**Signature:**

**Residence**

**:**

**Date:**

**Citizenship:**

(City, State)

(Country)

**Post Office**

**Address:**

**Title 37, Code of Federal Regulations, Section 1.56**  
**Duty to Disclose Information Material to Patentability**

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

(1) Prior art cited in search reports of a foreign patent office in a counterpart application, and

(2) The closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

(1) It establishes, by itself or in combination with other information, a *prima facie* case of unpatentability of a claim; or

(2) It refutes, or is inconsistent with, a position the applicant takes in:

(i) Opposing an argument of unpatentability relied on by the Office, or

(ii) Asserting an argument of patentability.

A *prima facie* case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

(1) Each inventor named in the application;

(2) Each attorney or agent who prepares or prosecutes the application; and

(3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.



(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

(e) In any continuation-in-part application, the duty under this section includes the duty to disclose to the Office all information known to the person to be material to patentability, as defined in paragraph (b) of this section, which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.